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JUN 23 2006

**FACSIMILE TRANSMISSION
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Date: June 23, 2006 **Attorney Docket No.:** 9062-27

To: U.S. Patent and Trademark Office
Mail Stop AMENDMENT

Fax No.: 571-273-8300

From: Julie H. Richardson **Return Fax to:** Joyce
Pages: 27 (including cover sheet)

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In re: Reeve et al.
Application No.: 10/691,103
Filed: October 22, 2003

Confirmation No.: 4763
Group Art Unit: 2857

Attached:

Faxcover	1 page
Amendment Transmittal	2 pages
Amendment and Response	24 pages
TOTAL:	27 pages

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Attorney Docket No. 9062-27

PATENT**RECEIVED
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUN 23 2006

In re: Russell Reeve et al.; Group Art Unit: 2857
 Application No.: 10/691,103 Confirmation No.: 4763
 Filed: October 22, 2003 Examiner: Mary C. Baran
 For: METHODS, SYSTEMS AND COMPUTER PROGRAMS FOR DECONVOLVING
 THE SPECTRA CONTRIBUTION OF CHEMICAL CONSTITUENTS WITH
 OVERLAPPING SIGNALS

Date: June 23, 2006

MAIL STOP AMENDMENT

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an AMENDMENT in the above-identified patent application.

Applicant claims small entity status. See 37 CFR §1.27.
 No additional fee is required.
 The fee has been calculated as shown below:

(COL. 1)		(COL. 2)	(COL. 3)	SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	Claims Remaining After Amendment	Highest Number Previously Paid For	Present Extra	RATE	ADDIT. FEE	OR RATE	ADDIT. FEE
Total	39	35	= 4	x 25=	\$	x 50=	\$ 200.00
Indep	14	5	= 9	x100=	\$	x200=	\$1800.00
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+180=	\$	+360=	\$
				Total Add. Fee	\$	OR Total	\$2000.00

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior Amendment or the number of claims originally filed.

Attorney Docket No.: 9062-27
Application No.: 10/691,103
Filed: October 22, 2003
Page 2

Please charge my Deposit Account No. 50-0220 in the amount of \$2,000.00 for additional claims.

A check in the amount \$ _____ to cover _____ is enclosed.

The Commissioner is hereby authorized to charge the appropriate fees associated with this communication or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,


Julie H. Richardson
Registration No. 40,142

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Certificate of Facsimile Submission under 37 CFR 1.8
I hereby certify that this correspondence is being faxed to 571-273-8300 on June 23, 2006.


Joyce Paoli

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JUN 23 2006

Attorney's Docket No. 9062-27

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Russell Reeve et al. Confirmation No.: 4763
Serial No.: 10/691,103 Group Art Unit: 2857
Filed: October 22, 2003 Examiner: Mary C. Baran
For: Methods, systems and computer programs for deconvolving the spectral contribution
of chemical constituents with overlapping signals

Date: June 23, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO
OFFICE ACTION DATED MARCH 23, 2006**

Sir:

Responsive to the Office Action dated March 23, 2006, please amend the above-identified application as shown.

If any extension of time for the accompanying response or submission is required, Applicant requests that this be considered a petition therefor. The Commissioner is hereby authorized to charge any additional fee, which may be required, or credit any refund, to our Deposit Account No. 50-0220.

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this document.

Remarks begin on page 19 of this document.

06/26/2006 WARDELR1 00000042 500220 10691103

01 FC:1201 1800.00 DA
02 FC:1202 200.00 DA